Title (en)

LIGHT-EMITTING COMPONENT PROVIDED WITH A LUMINESCENCE CONVERSION ELEMENT

Title (de)

LICHT EMITTIERENDES BAUELEMENT MIT EINEM LUMINESZENZ-KONVERSIONSELEMENT

Title (fr)

COMPOSANT EMETTANT DE LA LUMIERE, POURVU D'UN ELEMENT DE CONVERSION DE LUMINESCENCE

Publication

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Application

EP 04738883 A 20040707

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Abstract (en)

[origin: WO2005008789A2] The invention relates to a light-emitting component provided with at least one primary radiation source which emits an electromagnetic primary radiation during the operation thereof, and at least one luminescence conversion element which is used to convert at least one part of the primary radiation is converted to radiation of a different wave length. A filter element provided with a plurality of nanoparticles is arranged upstream from the luminescence conversion element in the direction of radiation of the component. The nanoparticles comprise a filter substance which selectively reduces the intensity of radiation of at least one spectral partial range of undesired radiation by absorption.

IPC 8 full level

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